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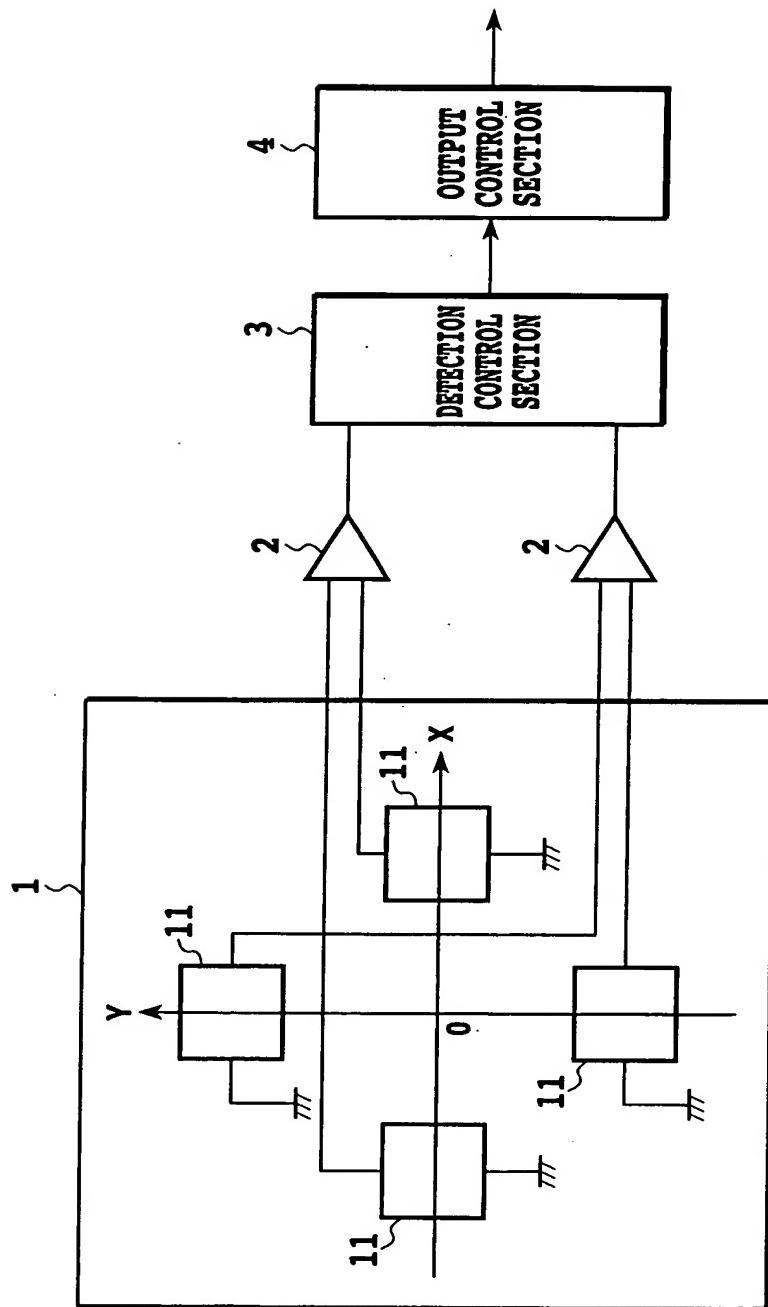


FIG.1
(PRIOR ART)

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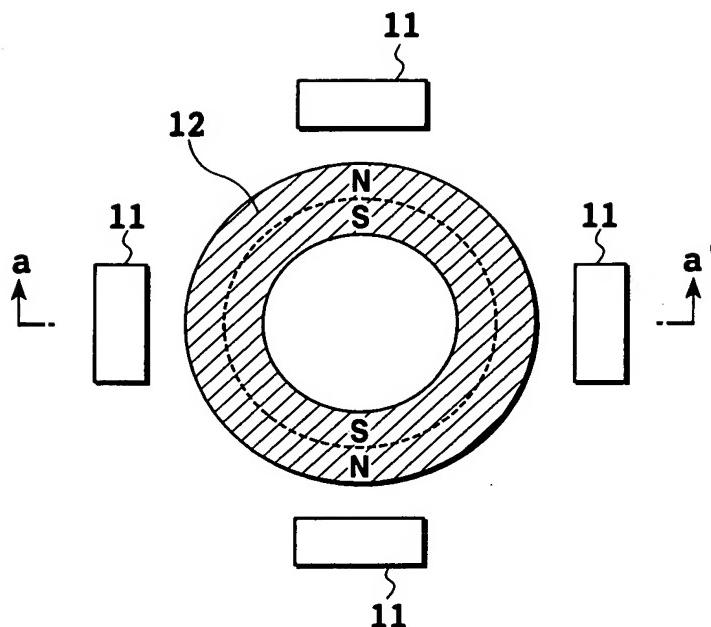


FIG.2A

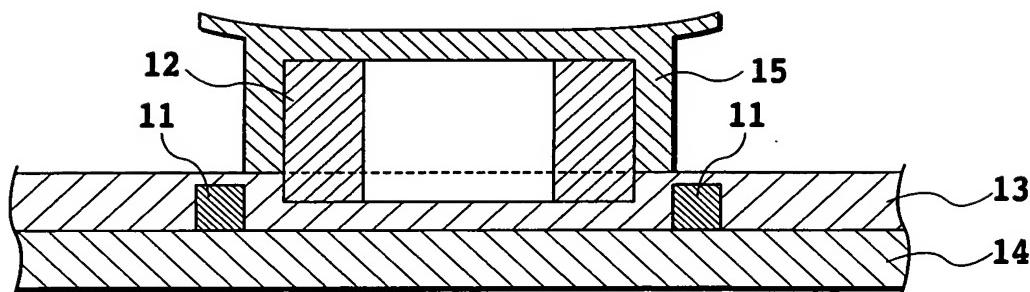


FIG.2B

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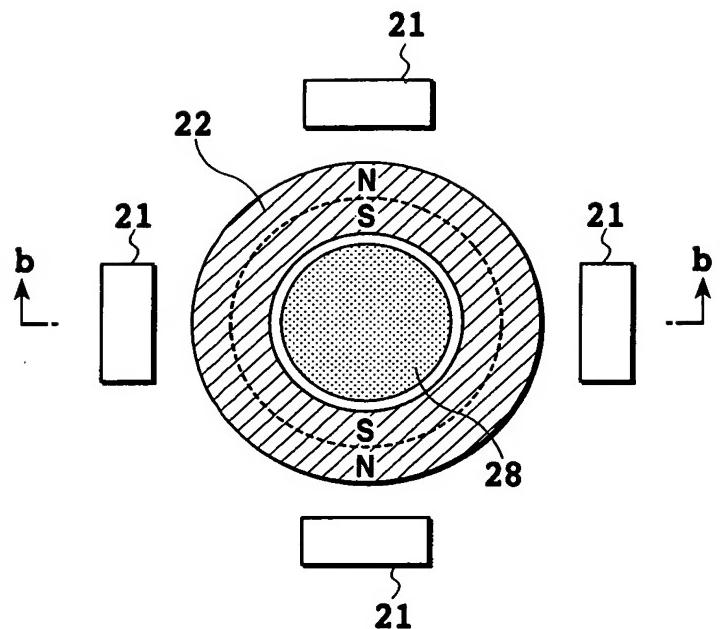


FIG.3A

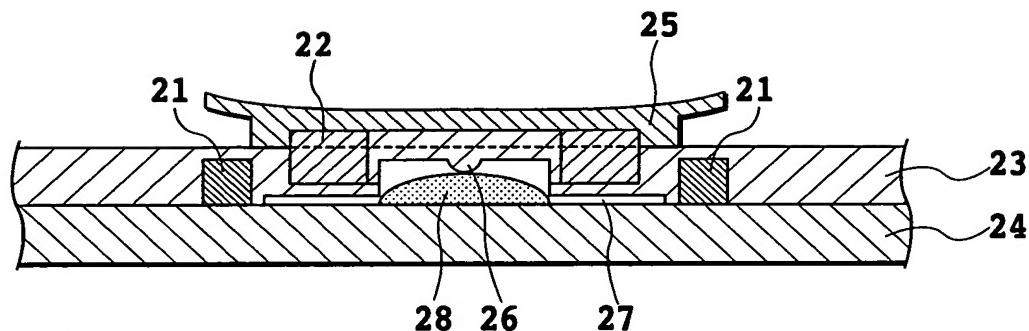


FIG.3B

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FIG.4A

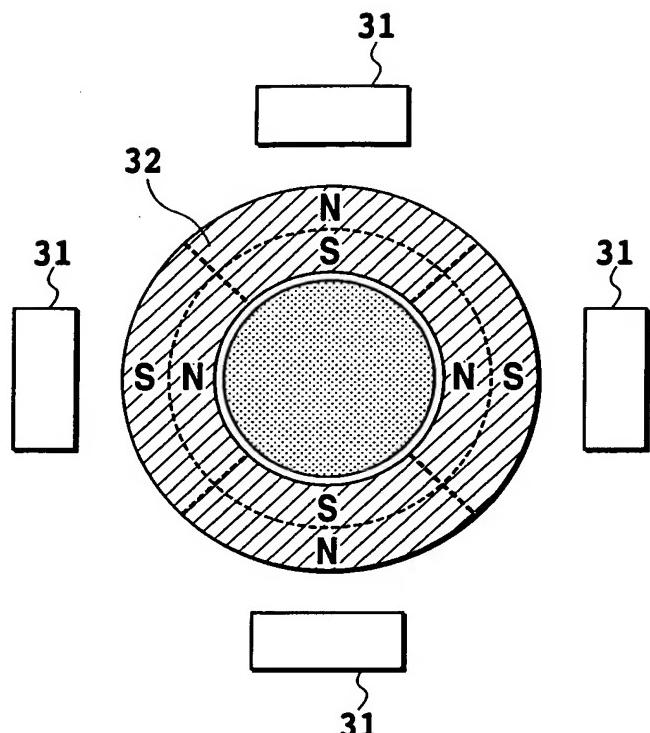
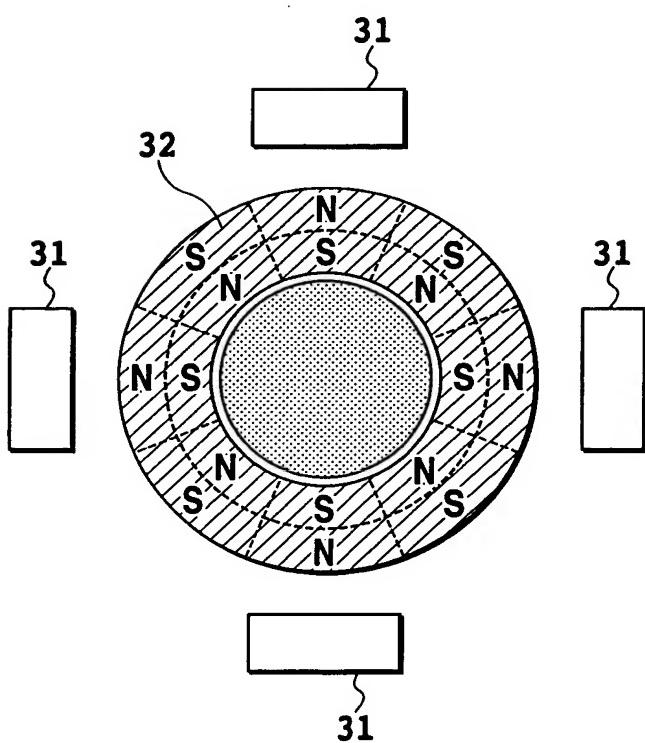


FIG.4B



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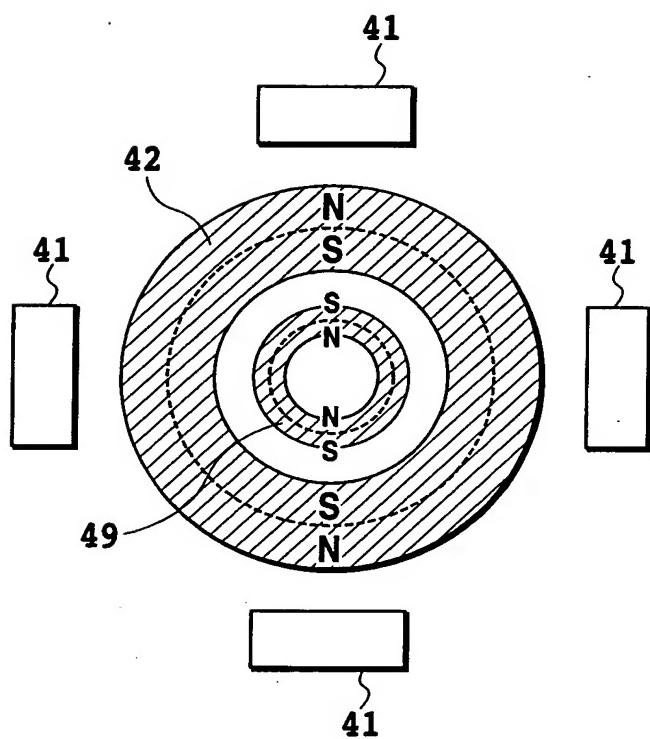


FIG.5

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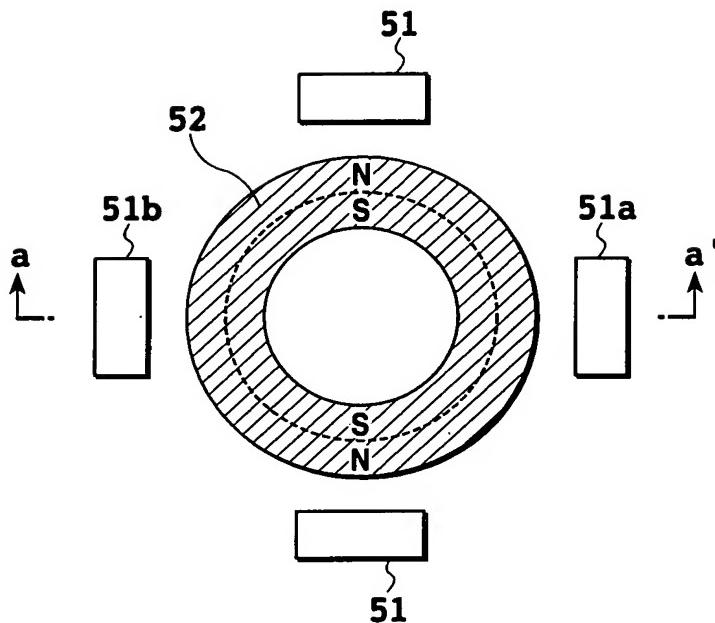


FIG.6A

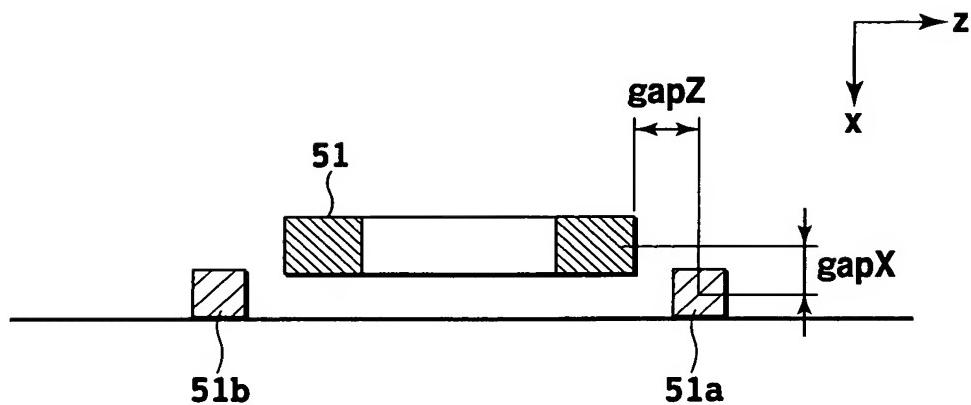
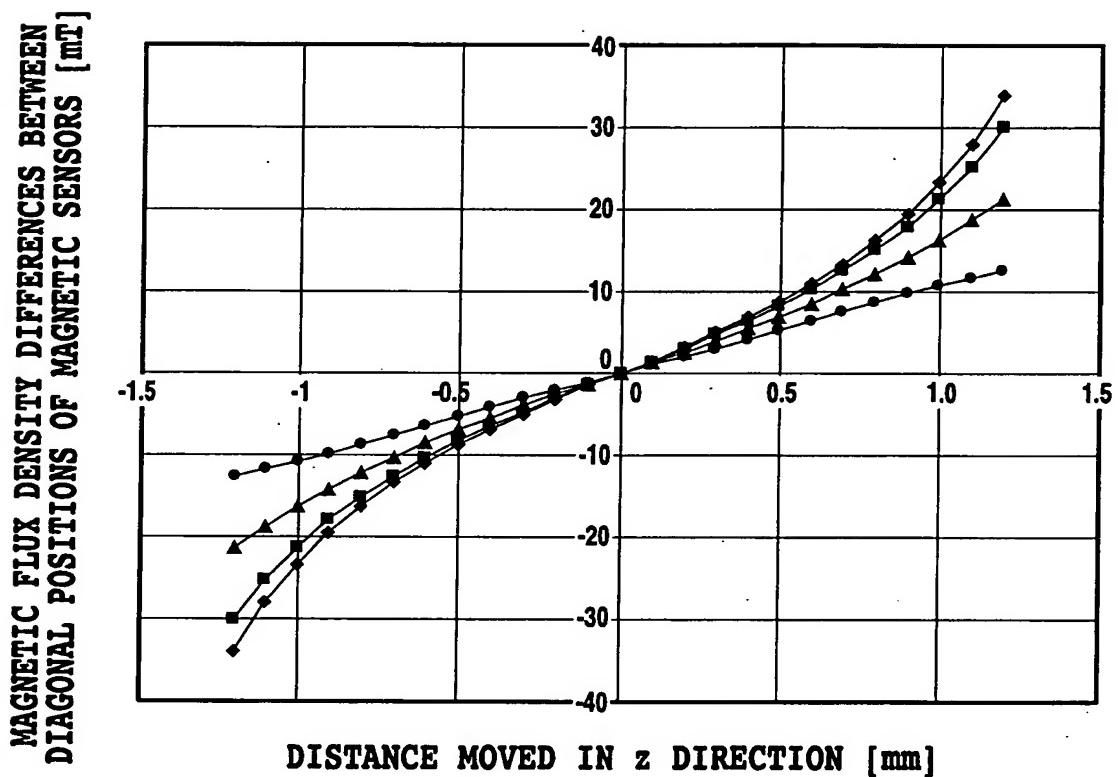


FIG.6B

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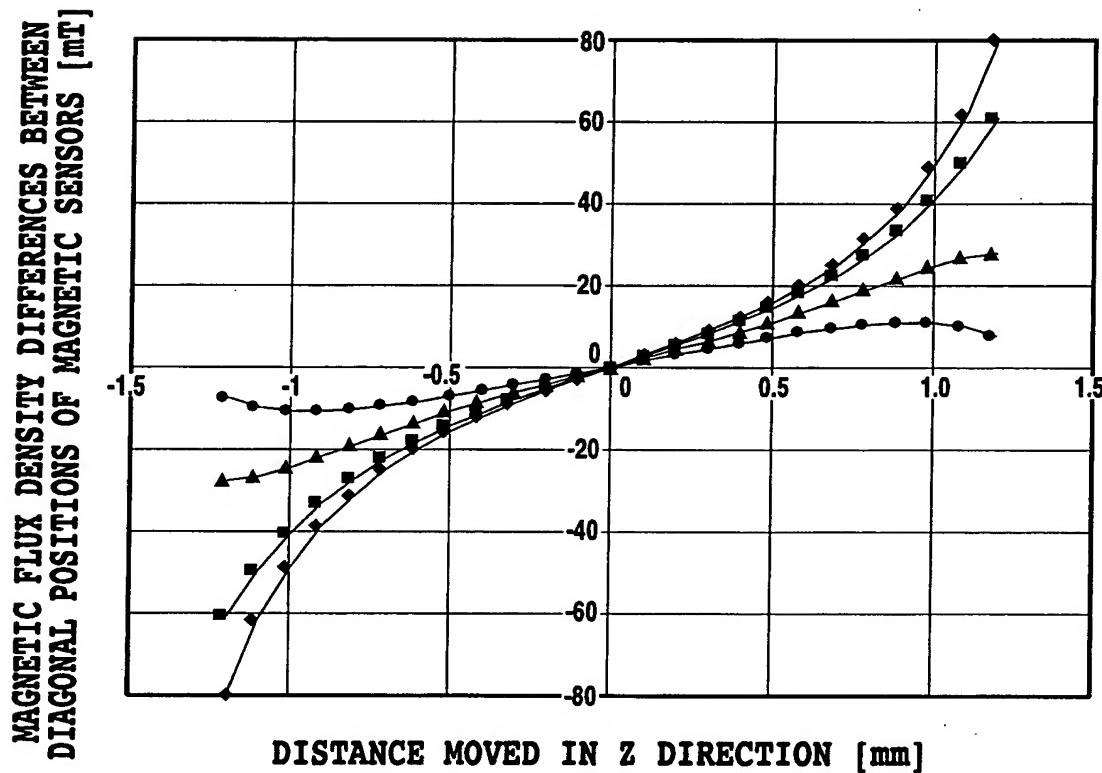


OUTPUT CHARACTERISTICS OF POINTING DEVICE @gapZ=2mm
(MAGNETIC FORCE SIZE: $\phi 13 \times \phi 8.8 \times 0.5$ t,
COERCIVE FORCE 460 kA/m, CALCULATED VALUES)

FIG.7

- ♦— gapX=0
- gapX=0.25
- ▲— gapX=0.5
- gapX=0.75

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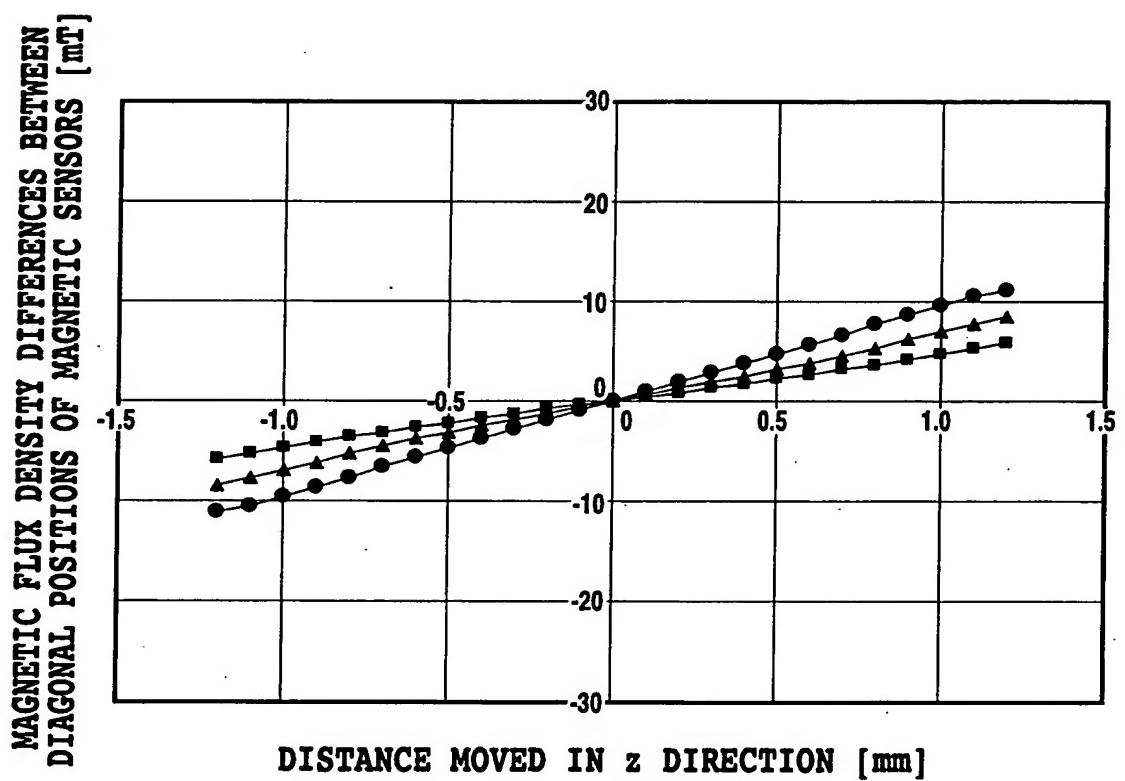


OUTPUT CHARACTERISTICS OF POINTING DEVICE @gapZ=1.6mm
 (MAGNETIC FORCE SIZE: $\phi 13 \times \phi 8.8 \times 0.5t$,
 COERCIVE FORCE 460 kA/m, CALCULATED VALUES)

FIG.8

- ♦— gapX=0
- gapX=0.25
- ▲— gapX=0.5
- gapX=0.75

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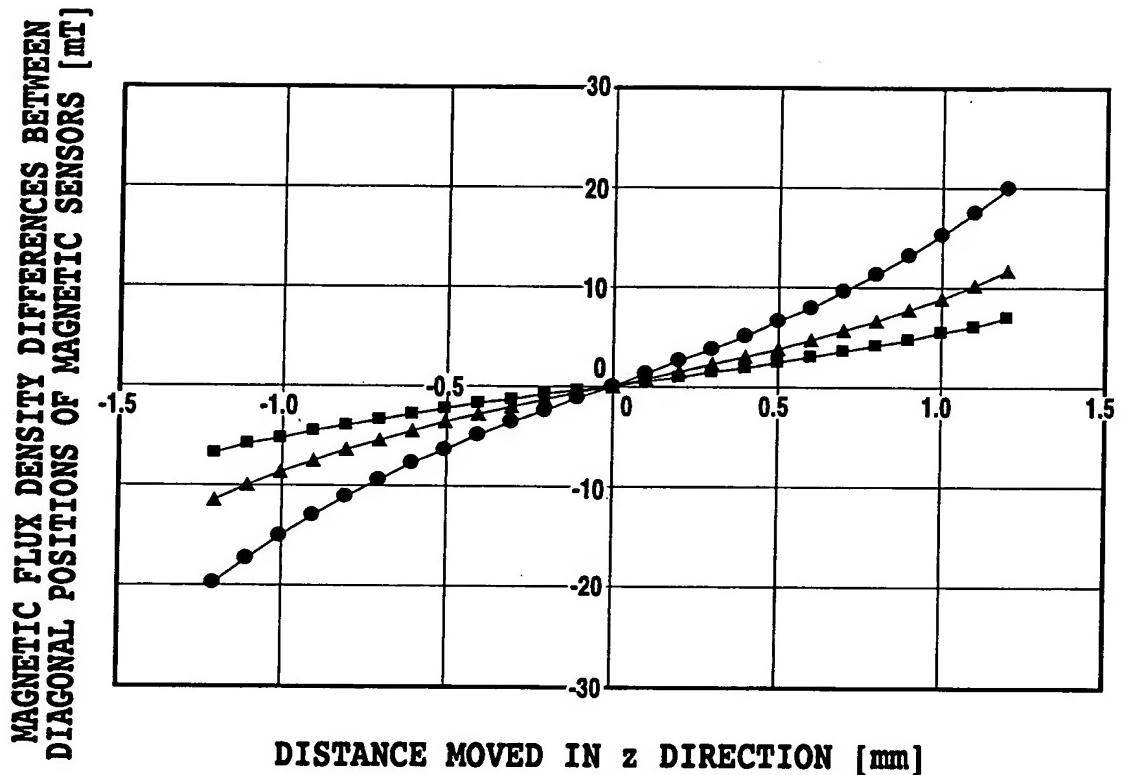


OUTPUT CHARACTERISTICS OF POINTING DEVICE
(MAGNETIC FORCE SIZE: $\phi 11.78 \times \phi 5 \times 0.485$ t, CALCULATED VALUES)

FIG.9

- gapZ=3mm
- ▲ gapZ=2.5mm
- gapZ=2mm

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OUTPUT CHARACTERISTICS OF POINTING DEVICE
(MAGNETIC FORCE SIZE: $\phi 11.78 \times \phi 5 \times 0.485\text{t}$, CALCULATED VALUES)

FIG.10

- gapZ=3mm
- ▲— gapZ=2.5mm
- gapZ=2mm

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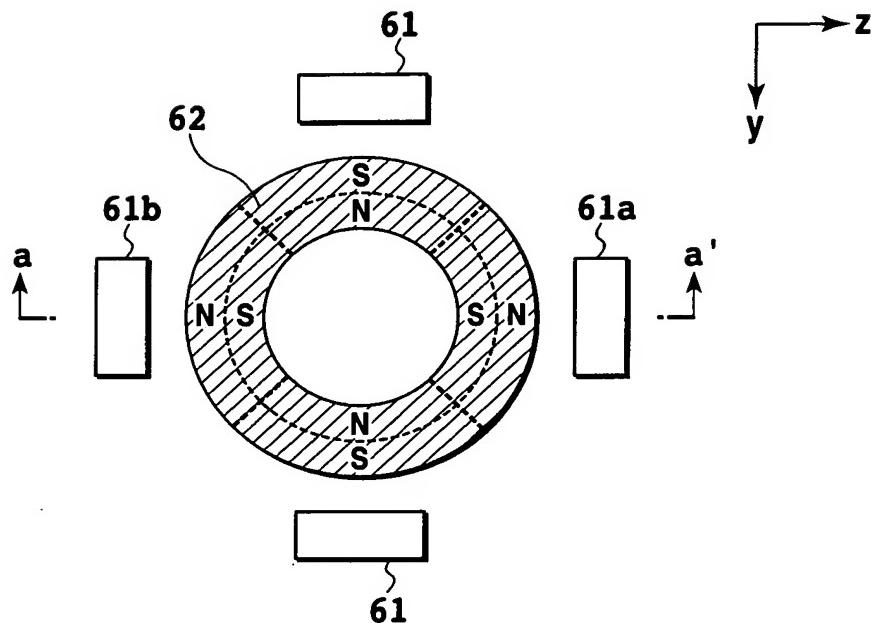


FIG.11A

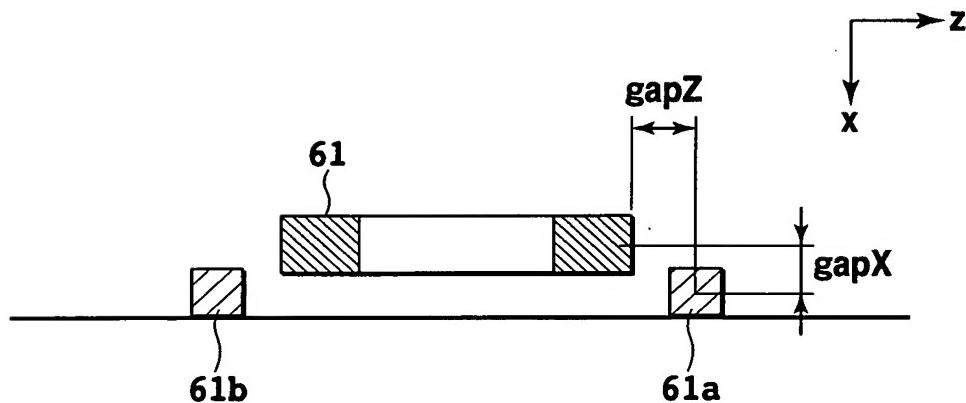


FIG.11B

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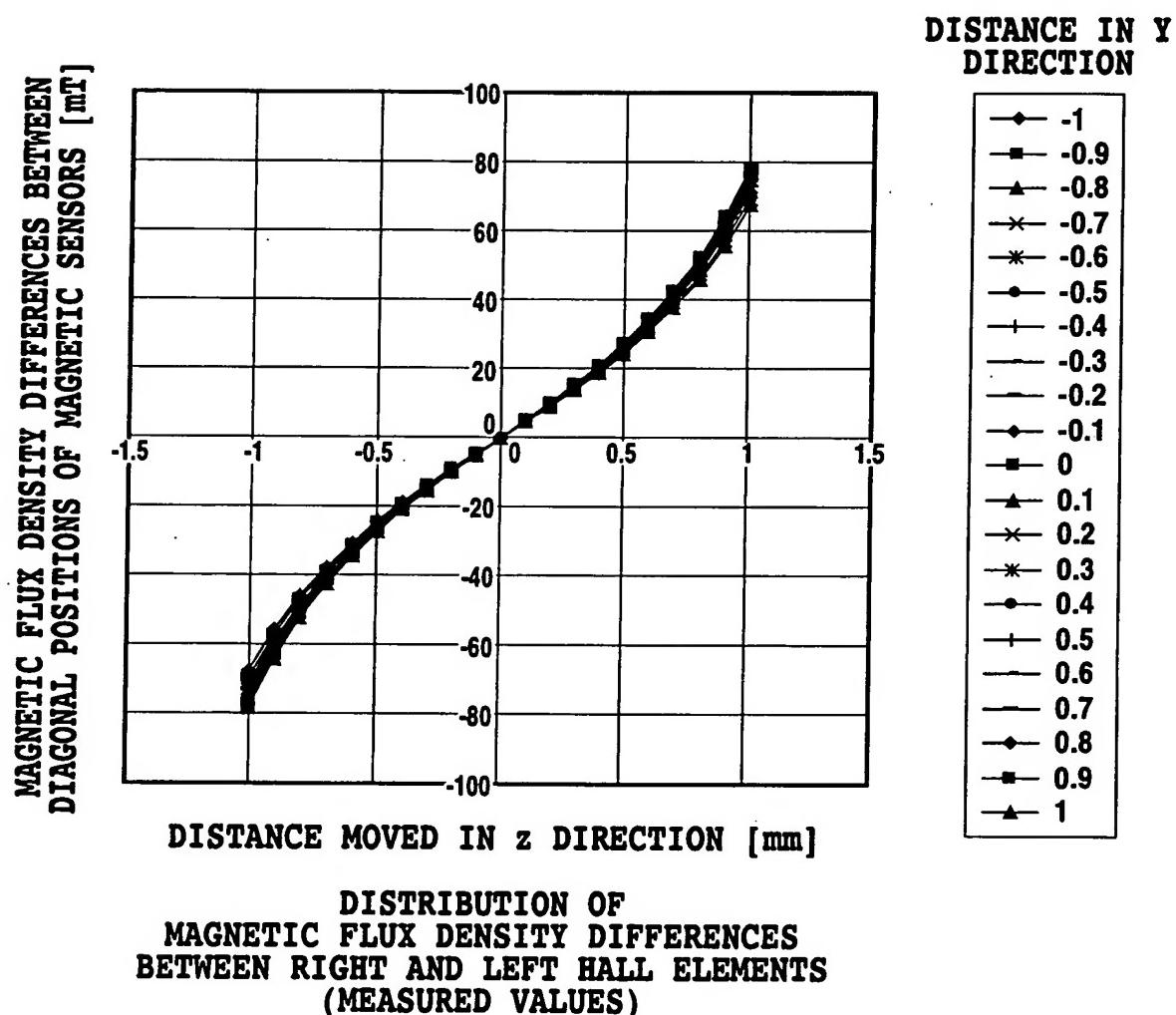


FIG.12

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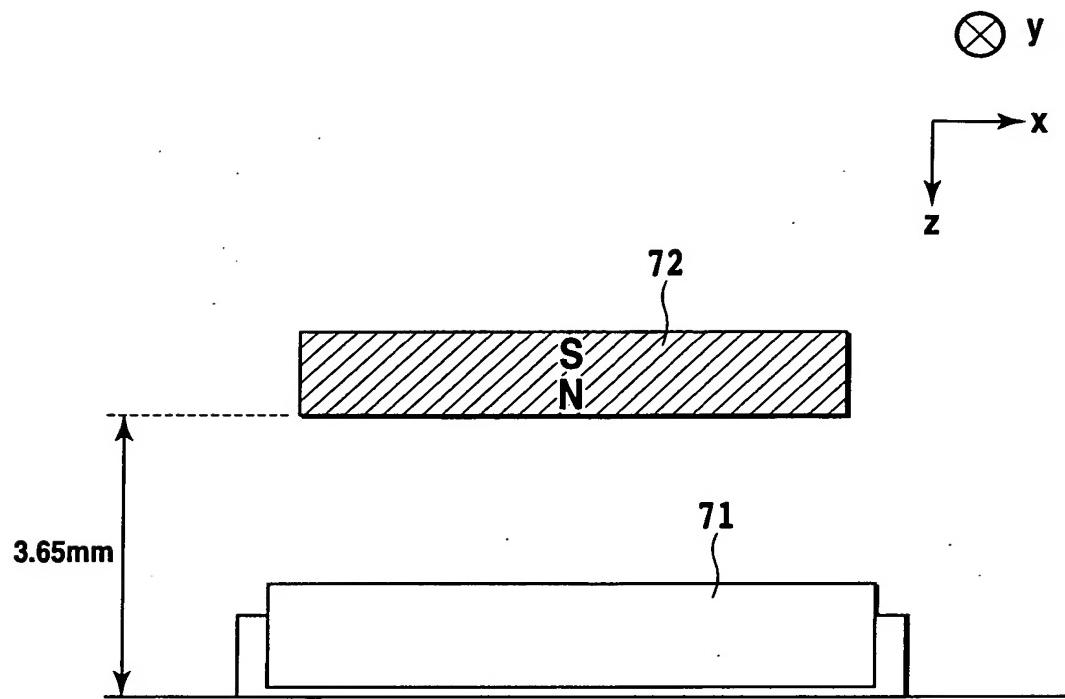


FIG.13
(PRIOR ART)

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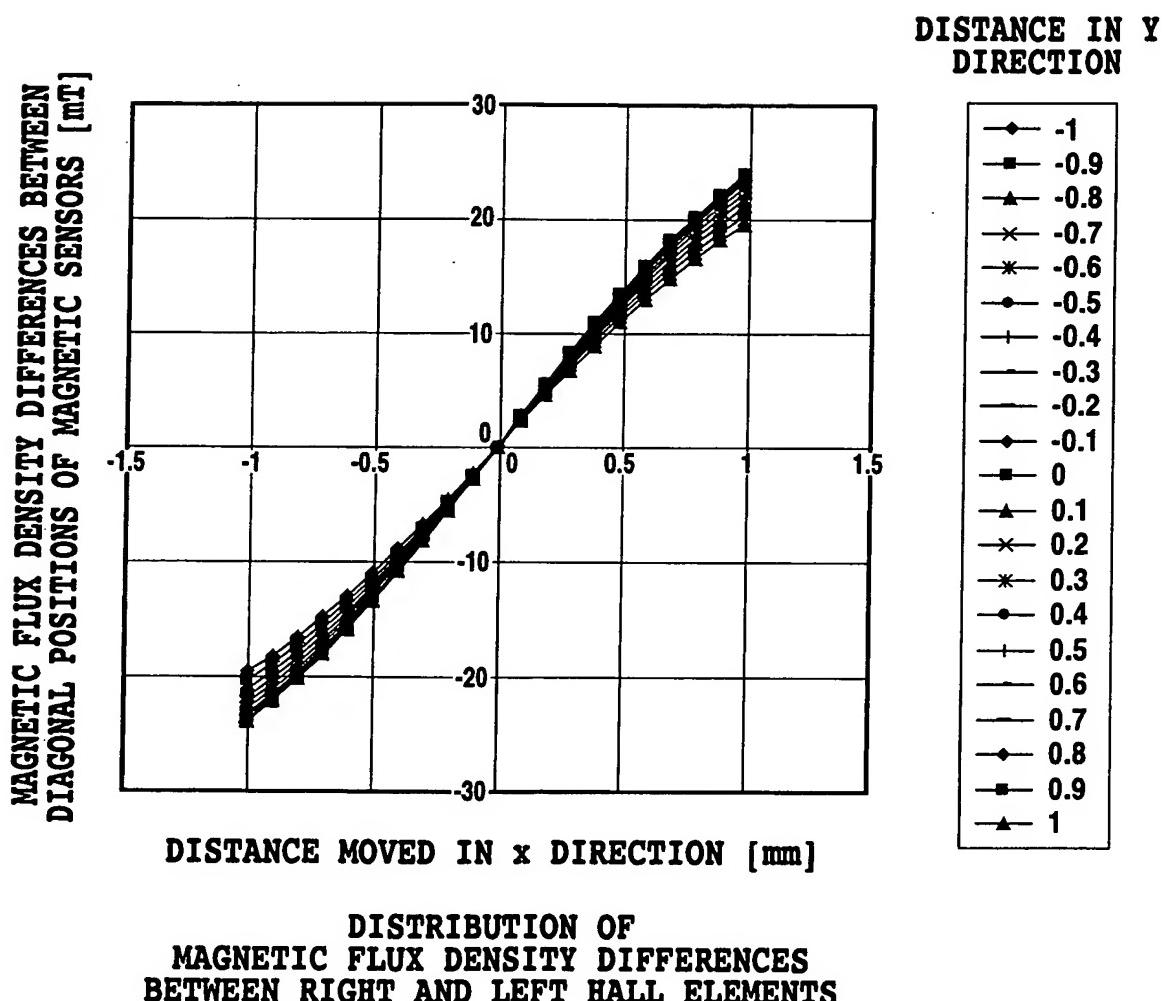


FIG.14
(PRIOR ART)